

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/30537

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01H 85/02, 85/46; H01R 13/52, 13/68, 33/95; H02H 5/04, 7/18

US CL : 439/522, 621, 622; 337/189; 307/10.7; 361/103, 104

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 439/522, 621, 622; 337/189; 307/10.7; 361/103, 104

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,645,448 A (Hill) 8 July 1997 (8.07.1997) Figures 1 and 2, Column 4, lines 30-62.	1-6

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Further documents are listed in the continuation of Box C.

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See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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document member of the same patent family

Date of the actual completion of the international search

06 February 2005 (06.02.2005)

Date of mailing of the international search report

15 APR 2005

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